



Finger Lakes Vineyard Update

Spring Grape IPM Meeting

Hans Walter-Peterson

Tuesday, May 12 4:30 – 6:15 PM

Ravines Wine Cellars

400 Barracks Road

Geneva, NY ([click here for a map](#))



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Time once again to recharge your IPM knowledge at the Spring Grape IPM Meeting. This year's meeting will be at Ravines Wine Cellars in Geneva NY on Tuesday, May 12, starting at 4:30 PM. Come hear the latest and greatest hits from some of your favorite pest management gurus – Wayne Wilcox, Greg Loeb, and Andrew Landers. Also on the agenda is Mike Stanyard, field crop specialist with Cornell Cooperative Extension, who will talk about how aphid populations in field crops influence Multi-Colored Asian Ladybeetles populations. Tom Burr will give an update on crown gall biology and management, and there will be a short discussion about where things stand with regard to establishing a grape research order in New York.

As always, dinner will be provided after the program, so be sure to stick around for some social time and good food.

FLGP Tailgate Meeting

May 5, 2015

FLGP Spring Grape IPM Meeting

May 12, 2015

Second International Workshop

July 26-29, 2015

Vineyard Mechanization and Grape & Wine Quality

Spring Grape IPM Meeting (continued from page 1)

There is no registration fee for growers who are enrolled in the FLGP for 2015, and a \$15 fee for those who are not enrolled. Growers will be eligible to receive 1.5 pesticide recertification credits at this meeting.

You can register online for the meeting at our website by going to http://flgp.cce.cornell.edu/event_preregistration.php?event=181, or by calling our office at 315-536-5134. If you would like to receive credits, please be sure to bring your pesticide license with you to the meeting..



In The Vineyard

Hans Walter-Peterson

Welcome to the 2015 growing season in the Finger Lakes!

This will be the first of our weekly Vineyard Updates for the season. While we're still waiting for the first signs of green shoots on vines, early varieties like Marquette and Foch have started to swell up and lose their bud scales, and should begin to show some signs of new life over the next several days. In other varieties, buds are still closed up pretty tight so there is still some time for final tying operations and getting down early herbicide applications in order to avoid any contact with green tissues.

A new growing season also means the start of our annual series of Tailgate Meetings. Our first meeting will be next Tuesday, May 5, hosted by Roy and Gordon Taft at Vine Country Farms, at the corner of County Road 74 and Stone Road in Pulteney. We will be hosting nine meetings this year at various farms around the Finger Lakes, including our first one in Wayne County this year (June 2). Locations for each meeting will be announced in the weekly Vineyard Updates as well as on the 'Events' page of our website, <http://>

Pre-Emergent Weed Control

Hans Walter-Peterson

Growers are still finishing up pruning and tying this week, but with budbreak likely coming in the next week or so, it's also time to get ready to make applications of pre-emergent herbicides (if you use them). As plans are being made to do so, here are a few reminders about timing, materials and some other resources with good information on weed control.

If possible, apply pre-emergent herbicides in grafted vineyards after unhill

If an herbicide is applied to the soil under the trellis before removing the hill, the act of unhill will move most or all of the herbicide out from the row, leaving the area where the hill was located without any herbicide to prevent weed germination. If possible, wait to apply herbicides until after the unhill work is finished.

Be aware of minimum vine age or other restrictions for certain herbicides

Several herbicides are prohibited from use in vineyards where vines are less than a certain age or have certain soil types. For example, Alion should only be used in vineyards that are at least 5 years old, and in vineyards with less than 20% gravel content. Diuron (Karmex), simazine (Princep) and norflurazon (Solicam) also have requirements regarding the minimum age of vines in vineyards where they are applied.

Pre-Emergent Weed Control (continue from page 3)

Try to time pre-emergent applications prior to rain events

Most pre-emergent herbicides need to be moved into the soil profile by rain in order to be most effective. The amount of rain needed varies depending on the material. Solicam is not highly soluble, which means that it requires several inches of rain to move into the soil profile, but also means that it has a long residual period in the soil. On the other end of the spectrum, diuron could potentially injure vines if more than 1" of rain falls soon after application.

Be aware of how effective each herbicide is against different types of weeds

Many of the pre-emergent herbicides that are labeled for use in vineyards are broad-spectrum, having efficacy against both weeds. There are effective group or the

Broadleaves
Goal, GoalTender
Princep (simazine)

Grasses
Devrinol (napropamide)
Solicam (norflurazon)
Surflan, Oryzalin (oryzalin)
Prowl H₂O (pendimethalin)
Treflan (trifluralin)
Kerb (pronamide)

grasses and broadleaf some, however, that are primarily on only one other:

**Based on Table 6.7.1, 2015 NY and Pennsylvania Pest Management Guidelines for Grapes, pg. 112.*

To achieve control of both types of weeds, you would need to tank-mix with another material.

Remember, the two best resources on herbicides are always the label and NY/PA Grape Pest Management Guidelines book (Section 6). Be sure to consult both of them. Robb Crassweller with Penn State University recently wrote a very good article as well on vineyard weed management, which can be found at <https://psuwineandgrapes.wordpress.com/2015/03/20/weed-control-in-vineyards/>.

Upcoming Events

Don't forget to check out the calendar on our website (<http://flgp.cce.cornell.edu/events.php>) for more information about these and other events relevant to the Finger Lakes grape industry.

FLGP Tailgate Meetings

Held every other Tuesday, beginning May 5

5:00 – 6:30 PM

Tuesday, May 5: Vine Country Farms

Intersection of County Rd 74 and Stone Road, Pulteney NY

[\(click here for a map\)](#)

Our annual series of tailgate meetings will be starting up again on Tuesday, May 5, with our first meeting taking place at Vine Country Farms (Roy and Gordon Taft) in Pulteney.

These meetings are held every other week at various grape farms around the Finger Lakes, and are intended to be informal, small-group meetings where FLGP staff and growers can ask questions and discuss issues about vineyard management, IPM strategies or other topics appropriate for that point in the growing season. The DEC has approved 1.0 pesticide recertification credits for each Tailgate Meeting this year.

Dates and locations for the rest of this year's Tailgate Meetings can be found under the ['Events'](#) section of our website.

Spring Grape IPM Meeting

Tuesday, May 12 4:30 – 6:15 PM

Ravines Wine Cellars

400 Barracks Road

Geneva, NY

See announcement in this week's Vineyard Update.

Upcoming Events (continue from page 5)

Second International Workshop on Vineyard Mechanization and Grape and Wine Quality

July 26-29, 2015

SUNY-Fredonia Campus

Fredonia, NY

The Second International Workshop on Vineyard Mechanization and Grape and Wine Quality will be held July 26 to July 29, 2015, in Fredonia New York. The event is sponsored by the International Society for Horticulture Science, in conjunction with the Eastern Section of the American Society for Enology and Viticulture, and follows the successful inaugural event held in Italy in 2012. The workshop brings together international experts in grape mechanization and grape producers to report and discuss the latest research on grapevine mechanization, precision viticulture and the use of mechanization and technology to improve grape and wine quality. Technical focus areas will include engineering advancements and mechanized tools for vineyard operations, the application of remote and proximal sensing technologies for monitoring vine performance, variable rate and zonal vineyard management for improving vineyard productivity and the economic impact of mechanized systems on fruit yield and quality. This is the first time that the workshop will be held in the US. Scientists and grape growers from over 20 countries are expected to participate in the event.

More details about the meeting are included in the upcoming issue of the *Finger Lakes Vineyard Notes* newsletter (which should be mailed to you next week). Registration and program details can be found by visiting <http://events.cals.cornell.edu/ishs>.

Finger Lakes Vineyard Update

Finger Lakes Grape Program

April 30, 2015

2015 GDD & Precipitation

FLX Teaching & Demonstration Vineyard – Dresden, NY					
Date	Hi Temp (F)	Lo Temp (F)	Rain (inches)	Daily GDDs	Total GDDs
4/15/15	57.5	43.7	0.00	0.6	20.5
4/16/15	71.0	36.0	0.00	3.5	24.0
4/17/15	64.7	51.9	0.11	8.3	32.3
4/18/15	70.7	46.0	0.00	8.4	40.6
4/19/15	66.9	39.3	0.00	3.1	43.7
4/20/15	63.5	44.8	0.44	4.2	47.9
4/21/15	55.3	41.2	0.08	0.0	47.9
4/22/15	50.9	38.0	0.02	0.0	47.9
4/23/15	39.4	32.5	0.03	0.0	47.9
4/24/15	40.3	32.3	0.00	0.0	47.9
4/25/15	49.5	30.9	0.00	0.0	47.9
4/26/15	51.3	34.7	0.00	0.0	47.9
4/27/15	49.9	43.2	0.01	0.0	47.9
4/28/15	64.8	43.4	0.00	4.1	52.0
4/29/15	67.8	47.1	0.00	7.5	59.4
Weekly Total			0.69"	39.6	
Season Total			2.39"	59.4	

GDDs as of April 29, 2014: 58.8

Rainfall as of April 29, 2014: 2.98"

Seasonal Comparisons (at Geneva)

Growing Degree Days

	2015 GDD ¹	Long-term Avg GDD ²	Cumulative days ahead (+)/behind (-) ³
April	36.8	65.2	-8
May		248.6	
June		481.5	
July		640.6	
August		588.6	
September		347.6	
October		105.5	
TOTAL	36.8	2477.6	

¹ Accumulated GDDs for the month.

² The long-term average (1973-2014) GDD accumulation for that month.

³ Numbers at the end of each month represent where this year's GDD accumulation stands relative to the long-term average. The most recent number represents the current status.



2015 GDD & Precipitation (continued from page 7)

Precipitation

	2014 Rain ⁴	Long-term Avg	Monthly deviation from avg ⁶
April	2.54"	2.90	
May		3.11	
June		3.60	
July		3.42	
August		3.17	
September		3.63	
October		3.25	
TOTAL		23.08"	

⁴ Monthly rainfall totals up to current date

⁵ Long-term average rainfall for the month (total)

⁶ Monthly deviation from average (calculated at the end of the month)

Additional Information

Got some grapes to sell? Looking to buy some equipment or bulk wine? List your ad on the [NY Grape & Wine Classifieds website](#) today!

Become a fan of the [Finger Lakes Grape Program on Facebook](#), or follow us on [Twitter \(@cceflgp\)](#). Also check out our website, “The Grape Lakes – Viticulture in the Finger Lakes” at <http://flg.cce.cornell.edu>.

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FINGER LAKES VINEYARD UPDATE

Is published by

Cornell Cooperative Extension

Finger Lakes Grape Program

Ontario, Schuyler, Seneca, Steuben, Wayne and Yates Counties

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